

RF REMOTE SWITCHES

RF Remote Switch: 12 Channel

This 12 channel dc remote control switch operates in toggle, momentary, latched and mixed control mode (set the mode as you like freely). You can use it to control at most 12 different electrical devices. Remote distance up to 500m. Control lights, motors, fans, electrically operated doors / locks / windows / blinds / cars or other appliances with voltage AC110~240V or DC0~28V

Feature:

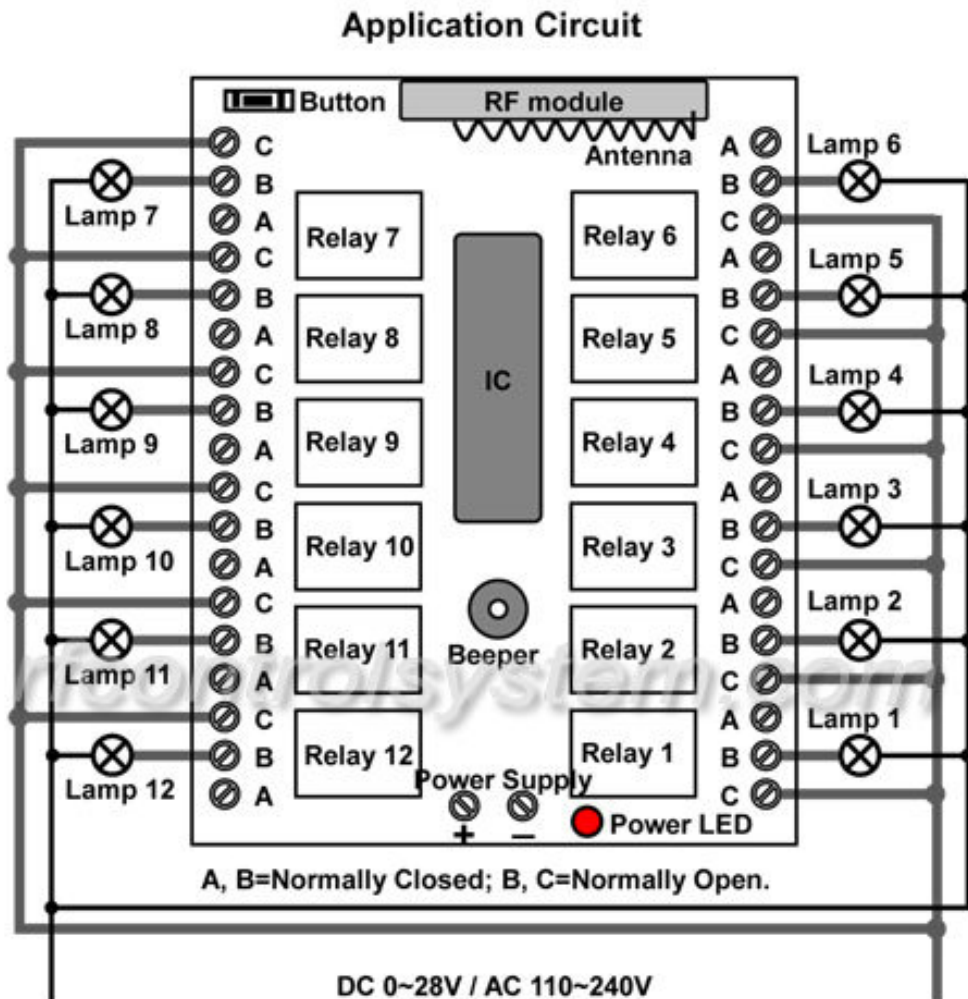
- Wireless control, easy to install
- Control Lights, Motors, Fans, electrically operated Doors/Locks/Windows/Blinds/Cars or Other Appliances with AC110~240V or DC0~28V.
- You can turn on/off the receiver with transmitter (remote control) from any place within a reliable distance; the wireless RF signal can pass through walls, floors and doors.
- With characteristics of reverse power protection and over current protection
- Audible / visual indication
- Use microcontroller model of EM78P447, an 8-bit microprocessor designed and developed with low-power and high-speed CMOS technology.
- Use ULN2003 to drive relay, with strong anti-interference.
- Reliable control: The transmitter (Encoding) and the receiver (Decoding) use an 8-bit code.
- One/several transmitters can control one/several receivers simultaneously.
- If you use two or more receivers in the same place, you can set them with different codes.
- Transmitting Frequency: 315MHz / 433MHz

Receiver:

- Channel: 12 CH
- 12 Control Modes: Toggle, Momentary, Latched, Toggle + Momentary + Latched, Toggle + Latched, Momentary + Latched, Toggle + Momentary...
- Coding Type: Fixed code
- Coding Setting: By learning
- Operating Voltage: DC12V±1V
- Working Voltage Range of Relay: AC110~240V or DC0~28V
- PCB Size: 94mm x 73mm x 18mm
- Case Size: 100mm x 80mm x 30mm
- Static Current: ≤6mA
- Maximum Working Current: 5A / each channel

Transmitter:

- Channel: 12 CH
- Remote Control Distance: 500m / 1500ft (theoretically)
- Encode: Fixed code by soldering
- Unit size: 110mm x 50mm x 18mm
- Power Supply: 1 x 23A -12V battery (included, can be used for 12 months)



Usage:

- **1) Learning Toggle control mode:** When the receiver is in the status of LEARNING, press button 1 of the remote control.
Control mode Toggle (Channel 1~12): Press -> On; Press again -> Off.
- **2) Learning Momentary control mode:** When the receiver is in the status of LEARNING, press button 2 of the remote control.
Control mode Momentary (Channel 1~12): Press and hold -> On; Release -> Off.
- **3) Learning Latched control mode:** When the receiver is in the status of LEARNING, press button 3 of the remote control.
Control mode Latched (Channel 1~12): Press -> On, other relays Off; Press other button -> Off.
- **4) Learning Toggle (Channel 1~4) + Momentary (Channel 5~8) + Latched (Channel 9~12) control mode:** When the receiver is in the status of LEARNING, press button 4 of the remote control.

- **5) Learning Toggle (Channel 1~6) + Momentary (Channel 7~12) control mode:** When the receiver is in the status of LEARNING, press button 5 of the remote control.
- **6) Learning Toggle (Channel 1~6) + Latched (Channel 7~12) control mode:** When the receiver is in the status of LEARNING, press button 6 of the remote control.
- **7) Learning Momentary (Channel 1~6) + Latched (Channel 7~12) control mode:** When the receiver is in the status of LEARNING, press button 7 of the remote control.
- **8) Learning Latched (Channel 1~4 interlocked; Channel 5~8 interlocked; Channel 9~12 interlocked) control mode:** When the receiver is in the status of LEARNING, press button 8 of the remote control.
- **9) Learning Toggle (Channel 1~10) + Momentary (Channel 11~12) control mode:** When the receiver is in the status of LEARNING, press button 9 of the remote control.
- **10) Learning Toggle (Channel 1~4) + Momentary (Channel 5~12) control mode:** When the receiver is in the status of LEARNING, press button 10 of the remote control.
- **11) Learning Toggle (Channel 1~4) + Latched (Channel 5~12) control mode:** When the receiver is in the status of LEARNING, press button 11 of the remote control.
- **12) Learning Toggle control mode (Channel 1~10) + All On / Off (Channel 11/12):** When the receiver is in the status of LEARNING, press button 12 of the remote control.
Press button 11: Turn on all 12 relays
Press button 12: Turn off all 12 relays

Package Include:

- 1 x Receiver: (12 Channel / 12 Control Modes)
- 1 x Transmitter:
- 1 x User manual

Note:

The theoretical distance is 500m, which shall be operated in an open ground; no barriers and no any interference. But in actual operation, it is hindered by trees, walls or other obstacles, or interfered by other signals. Therefore, the actual distance cannot reach 500m.